

### Amendments To The Abstract

Please delete the abstract on the title page (page 1) and insert the following abstract after the claims:

#### ABSTRACT

A method of evaluating the volume ratio of gas to oil (GOR) in the fluids of a well during drilling by direct or indirect measurement of the volumes of gas and oil in the cuttings. The method includes determining the volume of gas ( $V_g$ ) contained in the drilling fluids by measuring a ratio between a volume of gas produced and a corresponding volume of drilled rock, determining the volume of oil ( $V_o$ ) by measuring the total organic carbon (TOC) in the drilled rock while taking account of physical characteristics of the drilled rock and of the oil under the surface conditions, and determining said volume ratio (GOR) by calculating the ratio of the previously determined volumes of gas and of oil. The method can be implemented in the field, even on a drilling site, using a Rock-Eval type equipment for example.